10508761

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUl 14	FSTA enhanced with Japanese patents
NEWS	15	JUl 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	16	AUG 09	INSPEC enhanced with 1898-1968 archive

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:09:24 ON 17 AUG 2006

=> file hcaplus

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.89	1.89

FILE 'HCAPLUS' ENTERED AT 15:14:43 ON 17 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 17 Aug 2006 VOL 145 ISS 8
FILE LAST UPDATED: 16 Aug 2006 (20060816/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> s ep1 () receptor or PGE1 () receptor or EP1 () protein?
          1185 EP1
        662511 RECEPTOR
        607599 RECEPTORS
        788347 RECEPTOR
                 (RECEPTOR OR RECEPTORS)
           299 EP1 (W) RECEPTOR
          8877 PGE1
        662511 RECEPTOR
        607599 RECEPTORS
        788347 RECEPTOR
                 (RECEPTOR OR RECEPTORS)
           136 PGE1 (W) RECEPTOR
          1185 EP1
       2256060 PROTEIN?
            10 EP1 (W) PROTEIN?
L1          441 EP1 (W) RECEPTOR OR PGE1 (W) RECEPTOR OR EP1 (W) PROTEIN?

=> s l1 or prostaglandin () E () receptor () 1
         69130 PROSTAGLANDIN
         43797 PROSTAGLANDINS
         79438 PROSTAGLANDIN
                 (PROSTAGLANDIN OR PROSTAGLANDINS)
       1956873 E
        662511 RECEPTOR
        607599 RECEPTORS
        788347 RECEPTOR
                 (RECEPTOR OR RECEPTORS)
       8778477 1
             2 PROSTAGLANDIN (W) E (W) RECEPTOR (W) 1
L2          443 L1 OR PROSTAGLANDIN (W) E (W) RECEPTOR (W) 1
```

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```
=> s l2 or PTGER1 () protein
             8 PTGER1
       1901662 PROTEIN
       1328154 PROTEINS
       2213705 PROTEIN
                 (PROTEIN OR PROTEINS)
             0 PTGER1 (W) PROTEIN
L3         443 L2 OR PTGER1 (W) PROTEIN

=> s l2 or prostanoid EP1 receptor
          6256 PROSTANOID
          4209 PROSTANOIDS
          8282 PROSTANOID
                 (PROSTANOID OR PROSTANOIDS)
          1185 EP1
        662511 RECEPTOR
        607599 RECEPTORS
        788347 RECEPTOR
                 (RECEPTOR OR RECEPTORS)
            22 PROSTANOID EP1 RECEPTOR
                 (PROSTANOID(W)EP1(W)RECEPTOR)
L4         443 L2 OR PROSTANOID EP1 RECEPTOR

=> s l4 () antagonist?
        236746 ANTAGONIST?
L5          78 L4 (W) ANTAGONIST?

=> s l5 and pain
         45186 PAIN
          1074 PAINS
         45917 PAIN
                 (PAIN OR PAINS)
L6          22 L5 AND PAIN

=> s l6 and review/dt
       1949501 REVIEW/DT
L7            0 L6 AND REVIEW/DT

=> s inflammatory () disorder? or bone () disorder? or neurodegenerative ()
disorder? or renal () disorder?
        161861 INFLAMMATORY
           310 INFLAMMATORIES
        161957 INFLAMMATORY
                 (INFLAMMATORY OR INFLAMMATORIES)
        430304 DISORDER?
          2585 INFLAMMATORY (W) DISORDER?
        190554 BONE
         22371 BONES
        196774 BONE
                 (BONE OR BONES)
        430304 DISORDER?
           773 BONE (W) DISORDER?
         16006 NEURODEGENERATIVE
             1 NEURODEGENERATIVES
         16006 NEURODEGENERATIVE
                 (NEURODEGENERATIVE OR NEURODEGENERATIVES)
        430304 DISORDER?
          5575 NEURODEGENERATIVE (W) DISORDER?
```

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```
        147408 RENAL
            11 RENALS
        147413 RENAL
                 (RENAL OR RENALS)
        430304 DISORDER?
           598 RENAL (W) DISORDER?
L8        9493 INFLAMMATORY (W) DISORDER? OR BONE (W) DISORDER? OR NEURODEGENER
               ATIVE (W) DISORDER? OR RENAL (W) DISORDER?

=> d his

     (FILE 'HOME' ENTERED AT 15:09:24 ON 17 AUG 2006)

     FILE 'HCAPLUS' ENTERED AT 15:14:43 ON 17 AUG 2006
L1          441 S EP1 () RECEPTOR OR PGE1 () RECEPTOR OR EP1 () PROTEIN?
L2          443 S L1 OR PROSTAGLANDIN () E () RECEPTOR () 1
L3          443 S L2 OR PTGER1 () PROTEIN
L4          443 S L2 OR PROSTANOID EP1 RECEPTOR
L5           78 S L4 () ANTAGONIST?
L6           22 S L5 AND PAIN
L7            0 S L6 AND REVIEW/DT
L8         9493 S INFLAMMATORY () DISORDER? OR BONE () DISORDER? OR NEURODEGENE

=> s l8 and l5
L9           3 L8 AND L5

=> s l9 and review/dt
       1949501 REVIEW/DT
L10          0 L9 AND REVIEW/DT

=> s l8 () l5
L11          0 L8 (W) L5

=> s l5 and review/dt
       1949501 REVIEW/DT
L12          1 L5 AND REVIEW/DT

=> d l12, ibib abs, 1

L12  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:         2002:542000  HCAPLUS
DOCUMENT NUMBER:          138:117079
TITLE:                    COX-2 and prostanoid receptors: good targets for
                          chemoprevention
AUTHOR(S):                Kawamori, Toshihiko; Wakabayashi, Keiji
CORPORATE SOURCE:         Cancer Prevention Division, National Cancer Center
                          Research Institute, Tokyo, 104-0045, Japan
SOURCE:                   Journal of Environmental Pathology, Toxicology and
                          Oncology (2002), 21(2), 149-153
                          CODEN: JEPOEC; ISSN: 0731-8898
PUBLISHER:                Begell House, Inc.
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
AB   A review.  Accumulating evidence indicates that COX-2 inhibitors are
     involved in colon and breast cancer development.  Our previous studies
     indicated that nimesulide and celecoxib, selective COX-2 inhibitors, show
     inhibitory effects of intestinal carcinogenesis in azoxymethane-treated
     rats and mice and in Min mice models.  We recently found that nimesulide
     suppressed PhIP-induced breast cancer in female SD rats in which COX-2
```

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protein was over-expressed. These results led us to investigate the effects of prostaglandin E2 (PGE2) in the target tissues. PGE2 showed its biol. activity through binding to its membrane receptors, EP1-4. We also investigated the effects of EP receptors on colon carcinogenesis. We used receptor knockout mice and selective receptor antagonists. Our results indicated that the EP1 receptor plays a pivotal role in colon carcinogenesis. Selective EP1 receptor antagonists may be a new class of chemopreventive agents against colon cancer.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

National Library of Medicine - Medical Subject Headings

2006 MeSH

MeSH Supplementary Concept Data

Return to Entry Page

Name of Substance	prostanoid receptor EP1
Record Type	C
Registry Number	0
Entry Term	EP1 receptor
Entry Term	PGE1 receptor
Entry Term	receptor, prostanoid EP1
Entry Term	Prostanoid EP1 receptor
Entry Term	PGE receptor, EP1 subtype
Entry Term	Prostaglandin E2 receptor, EP1 subtype
Entry Term	PTGER1 protein, human
Entry Term	prostaglandin E receptor 1 (subtype EP1), 42kDa protein, human
Entry Term	EP1 protein, human
Entry Term	prostanoid EP1 receptor, human
Entry Term	Ptger1 protein, mouse
Entry Term	prostaglandin E receptor 1 (subtype EP1) protein, mouse
Entry Term	Ptgerep1 protein, mouse
Entry Term	EP1 protein, mouse
Entry Term	Ptger1 protein, rat
Entry Term	prostaglandin E receptor 1, rat
Entry Term	Prostaglandin E receptor 1 (subtype EP1) protein, rat
Heading Mapped to	*Receptors, Prostaglandin E
Source	Eur J Biochem 1995 Aug 1;231(3):809-14
Frequency	166
Note	a prostaglandin E2 receptor, subtype EP1 from mouse brain; has been shown to be of major importance for colon cancer development; amino acid sequence given in first source; GenBank Z49986-7 (mouse); RefSeq NM_000955 (human), NM_013641 (mouse), NM_013100 (rat)
Date of Entry	19950922
Revision	

Date	20050510
Unique ID	C095243

Return to Entry Page **Link to NLM Cataloging Classification**

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7093	((562/463) or (514/689) or (546/318) or (546/56) or (544/403) or (544/335) or (514/256) or (544/389) or (514/255.01) or (546/322) or (514/277) or (544/172) or (514/239. 2)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/17 17:59
L2	12	1 and heterocyclic and cyclopent-1-enyl	US-PGPUB; USPAT	OR	OFF	2006/08/17 18:00